



State of Delaware

12th Annual Hazardous Materials Training Workshop



Workshop Training Sessions

Course Descriptions and Instructor Information

Saturday, May 11, 2019

7:15 am-8:30 am: Registration-Continental Breakfast-Exhibitor Booths

8:30 am-4:15 pm - Training Sessions

Delaware State Fire School

1461 Chestnut Grove, Dover, DE 19904

See Separate Course Descriptions for Workshop Classes to be held Friday, May 10, 2019

"Educating Responders for Today and Tomorrow"

Session #1 (8:30am – 11:45am) –

"Recent IED Trends and Emerging Threats"

Instructors: Sergeant Christopher Ennis, Detective Timothy Kerstetter

This session will cover the emerging threats facing the American Homeland including briefings on the tactics, techniques and procedures of our adversaries, to include examples of mass violence by way of Active Shooter Events and Improvised Explosive Devices. This course will provide real-world examples of precursor activities and materials available at local stores that can be used to manufacture energetic materials for use in improvised explosive devices. After the classroom briefing, students will observe a live explosive demonstration of Homemade Explosives, Military Explosives, and Improvised Explosive Devices. This "Can't Miss" opportunity is always a crowd pleaser!

Instructor Bios:

Sergeant Christopher Ennis, Delaware State Police EOD Team Commander

Sergeant Chris Ennis has been a member of the Delaware State Police for twenty-nine years and a member of the DSP-Explosive Ordnance Disposal Team for 26 years. Sergeant Ennis has been the Delaware State Police EOD Team Commander since June 2003, and is currently the Delaware Chapter Director of the International Association of Bomb Technicians and Investigators and a board member of the National Bomb Squad Commanders Advisory Board. He has been recognized by the FBI and the National Bomb Squad Commanders Advisory Board as a subject matter expert for Bomb Squad Operations and helped write the National Response Plan for Bomb Squad Responses to Large Vehicle Bombs and Person Borne IED's and the manufacturing standard for all future bomb suits to be worn by all U.S. Bomb Technicians.

Detective Timothy Kerstetter, Delaware State Police Terrorism Liaison Officer

Detective Tim Kerstetter is a twenty-three-year veteran of the Delaware State Police. He was Delaware's first detective assigned to the FBI's Joint Terrorism Task Force after 9/11. He served in the JTTF for nearly nine years. Additionally, Detective Kerstetter served on the Explosive Ordnance Disposal Team for nearly seven years.

He currently serves in the Homeland Security Unit as the agency's Terrorism Liaison Officer. His current mission is to analyze terror plots and Homeland Security threats against the U.S. that could have implications within the State of Delaware and provide training to First Responders and private sector partners to mitigate Delaware's risk levels while increasing situational awareness and readiness plans for all citizens.



Session #2 (8:30am – 11:45am)

Advanced Meters Program Part – 1- Rapid Risk Assessment Techniques™

Instructor: Frank Docimo

The effective control of a chemical incident is based on a good working understanding of the physical and chemical properties of the product or agent. This does not make a chemist out of a responder. But he has to know how the enemy will behave in order to

effectively deal with a hazardous material. Responders cannot begin to deal with hazardous materials incident without a basic grasp of chemistry. Using the Docimo Model Role™ and the RRAT™ technique, anyone can understand the basic aspects of chemical behavior. Using this knowledge may save your life.

Instructor Bio:

Frank Docimo

Frank Docimo has been affiliated with the fire service for over 40 years. During his career he has held the position of Special Operations Officer for the Turn of River Fire Department and is currently assigned to HAZMAT 1 in the City of Stamford, Connecticut. Mr. Docimo has served as the co-chairperson of Stamford's Local Emergency Planning Committee and team leader for one of the city's Response Teams.

Frank has been an adviser to several state legislative committees on the hazardous materials problems in Connecticut. As the Chief Instructor in charge of the Hazardous Materials Program for the Connecticut State Fire School (1988—89), Mr. Docimo was instrumental in the development of the Hazardous Materials Technician Program.

During the year 1992 Mr. Docimo was honored with two prestigious training awards. He received the Connecticut Instructor of the Year award and was also recognized for his expertise and skills as a teacher when he was awarded the National Instructor of the Year for 1992. During the year 2001 Mr. Docimo was the recipient of the Hot Zone “ In the Zone” Award, for his life long commitment to first responder's safety.

In the fall of 1998 Mr. Docimo was selected as a subject matter expert to participate in a needs assessment and formulation of curriculum for the nations responders to terrorist activities. The workshop entitled Emergency Response to Terrorism; Tactical Considerations was a joint project of the National Fire Academy, FEMA and the Bureau of Justice. As a result of his involvement both Mr. Docimo's four stages of decon method and his advanced risk assessment process (known as the Docimo Model Role) has been incorporated into the core curriculum.

Frank also holds the following certificates and accreditations,

- ❖ National Fire Protection Association (NFPA) Certified Firefighter One, Two and Three
- ❖ NFPA Certified Instructor One and Two
- ❖ Certified Hazardous Material Technician
- ❖ Certified Hazardous Materials Specialist
- ❖ Certified Hazardous Materials Safety Officer
- ❖ Certified Haz-Mat Planner SARA III program

Presently Mr. Docimo is working on his Master's Degree in Homeland Security.



Session #3 (8:30am – 11:45am)

“EMS Challenges of a HazMat Team”

Instructors: CPT. D. Annis, Fred Haas, Lt. David Mick

This session focuses on relating basic hazmat chemistry to patient assessment and treatment modalities. Discussion of major Toxidromes and the ability to treat patients even without identifying a specific material of exposure. Review of managing the hazmat scene and how to anticipate changing environments as it relates to patient care.

Instructor Bios:

CPT. Dale Annis

Robert Dale Annis, spent the last 9 years serving as Nuclear Medicine Science Officer for the 31st Civil Support Team. 25 total years in military Chem/Bio warfare defense.

Recently participated in the CST program efforts to develop rapid field detection of Fentanyl and its analogs utilizing the current equipment we possess in our inventory in order to enhance first responder safety and public health.

Fred Haas

Mr. Haas is a Paramedic District Supervisor for Sussex County EMS. In addition, he is a member of the department's Hazardous Materials Medical Response Team and their Tox-Medic coordinator. He also works for the Delaware Office of EMS as their Domestic Preparedness

Coordinator. Mr. Haas holds a B. S. in Healthcare Administration. Also, in the area of HazMat education, he authored an article in Fire Engineering magazine concerning the ToxMedic program. Finally, he is a member of the Selbyville Volunteer Fire Company and an instructor for the Delaware State

Lt. David Mick

Special Operations Officer, KCEM

Paramedic 25+ years

Kent County Hazmat Decon, Hazmat Technician

Carlisle FD 45 years, Chief Engineer 6 years

Kent County Special Operations Team:

- Rope Rescue
- Trench
- Confined Space
- High Angle Technician
- Safety Officer



Session #4 (8:30am – 11:45am)

“Civil Support Teams (Weapons of Mass Destruction); Capabilities, Utilization, and Employment Trends

Instructors: 31st CST Staff

This presentation will review how CST's were developed and how the mission has changed in recent years adapting to the emergencies CST's are operating in. This will cover capabilities of Civil Support Teams nationwide and discuss missions and standbys that CST's are regularly dispatched to. Comparison of scaled responses to standby missions will provide a better understanding of what types of incidents CST's function at regularly. The session will conclude with attendees walking through a CST display of vehicles and equipment and handling some of the down range instruments.



Session #5 (8:30am – 11:45am)

Fire Fighting Foam: Yesterday – Today – Tomorrow – Part 1

Instructors: Ron Dietrick, Steve Haines, William C. Kelly CFPS

This session will discuss the basics of firefighting foam available today and include the environmental implications of tomorrow. A discussion of class “A” concentrate and class “B” will be held but emphasis will be on the class “B” component. The presentation will encompass the basics including how foam works, characteristics, concentrate types, expansion rates, delivery techniques, application rates and limitations. There will be hands on activity to reinforce the lesson in the afternoon.

To Maximize the Benefit of the Hands-on Exercise if You Have Your Own NFPA Compliant Turn-out Gear You Should Use it for the Exercise

Instructor Bios:

Ron Dietrick:

Chief Dietrick is the Fire Chief for the Delaware City Refining Company and has worked at the Delaware Refinery since 1998. His experience includes close to 20 years of industrial emergency response, and more than 25 years as a volunteer in New Castle County. Chief Dietrick earned his Associates Degree in Emergency Services Management from Delaware Technical & Community College. He actively serves as a Field Instructor for the Delaware State Fire School, and has been a guest instructor for the Williams Fire and Hazard Extreme schools. He is an active member of the New Castle County LEPC, New Castle County Fire Chiefs Association, and the International Association of Fire Chiefs.

Steve Haines

Mr. Haines is the President of Haines Fire & Risk Consulting and has over 30 years of experience in fire protection engineering and 35 years of experience in the municipal and industrial fire services. Mr. Haines currently serves as a Lieutenant and the Chief Engineer of the Parkertown (NJ) Volunteer Fire Company and has previously served as a chief officer in PA and CT. In addition, he served as the fire protection lead for Sunoco, Inc. for approximately seven and a half years and has worked in a wide range of commercial and industrial settings with significant emphasis on petroleum refineries, chemical plants, LNG plants, power generating facilities, petroleum pipeline stations, marine terminals, atmospheric and pressurized storage facilities and commercial flammable liquid storage and handling operations.

Chief William Kelly, CFPS

Chief Kelly is employed by Energy Transfer as the Senior Manager Emergency Services and has 25 years’ experience as a Refinery fire chief. He is a Certified Fire Protection Specialist through the NFPA, a life member, past chief and chief emeritus of the Claymont Fire Department and Past Chief of the Hartly Fire Department. His Industrial and Community Fire Chief experience combined equals 39 years. Chief Kelly also actively serves as a field instructor with the Delaware State Fire School and served as past president of both the New Castle County Fire Chiefs Association and Delaware Valley Fire Chiefs Association. The Chief is active in two Local Emergency Planning Committee organizations and serves in the advisory committee for New Castle County. Along with chairing the Delaware Volunteer Firefighters Association Sprinkler Committee he has also authored the “Saving Fireman Ryan” articles in the Delaware Fire Service News.



Session #6 (1:00pm – 4:15pm)

“Meth Labs and Marijuana Grow Labs Update”

Instructor: Matthew Higgins, Environmental Scientist IV, DNREC Emergency Prevention & Response Section, Dover, DE

Individuals attending this presentation will gain a thorough understanding of clandestine drug labs and the strategic methods used to safely process these labs. During the presentation attendees will understand the methodology of the process, the importance of evidence photography and seizure, and identifying common procedural tactics that put officers and hazmat response personnel in harm’s way. Attendees will understand the importance of refusing to tow vehicles containing One Pot meth labs, but rather to process these meth labs on site due to the increased danger these meth labs present on all roadways in the United States. The final training item will include a new trend that is occurring in numerous states that resembles the One Pot meth lab but possesses a very different, but lethal characteristic.

Instructor Bio: Matthew Higgins

Matthew Higgins is an Environmental Scientist IV with the State of Delaware’s Department of Natural Resources & Environmental Control’s (DNREC) Division of Waste & Hazardous Substance’s Emergency Prevention & Response Section. Mr. Higgins is a Hazardous Materials Response Technician and is an On-Scene Coordinator with the DNREC - Emergency Response Team (ERT), which responds to hazardous material incidents in the State of Delaware. Mr. Higgins is a Certified Hazardous Materials Manager and holds a Bachelor’s of Science Degree in Environmental Sciences from Wesley College. Mr. Higgins has responded to numerous Clandestine Meth Labs in the State of Delaware and Maryland. He has attended several Training Seminars on Clandestine Meth Lab Response, including Safety Officer Training.



Session #7 (1:00pm – 4:15pm)

Advanced Meters Program Part – 2- Understanding Air Monitoring Devices

See Session #2 above for session description and instructor bio



Session #8 (1:00pm – 4:15pm)

Fentanyl for First Responders:

Instructors: CPT. Dale Annis, Lt. David Mick

The latest information and specifics regarding the opioid epidemic. Recognizing key indicators of a hazardous environment. Discussion regarding added precautions and PPE when making patient contact. Practical hands-on exercise. Narcan administration for good outcomes.

Instructor Bios:

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25 total years in military Chem/Bio warfare defense.

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Session #9 (1:00pm – 4:15pm)- REPEAT OF AM SESSION

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Instructors: 31st CST Staff

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Session #10 (1:00pm – 4:15pm)

Fire Fighting Foam: Yesterday – Today – Tomorrow – Part 2

Instructors: Ron Dietrick, Steve Haines, William Kelly

See Session #5 above for session description and instructor bios



"No Cost" for Workshop Attendees!

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Hosted by
Delaware State Fire School - 1461 Chestnut Grove, Dover, DE 19904



"Educating Responders for Today and Tomorrow"

For Questions Regarding this Workshop Contact:
For Questions Regarding this Workshop, Contact Jerry Brennan:
Phone: (302) 739-4773 or via email at jerry.brennan@state.de.us

Workshop Partners include:

